

60R1 PANEL

QUICK REFERENCE

ALIGNMENT SECTION

MODELS USING THE 60R1 PANEL

60PK950

60PK750

60PK560

60PK550

60PK540

60PK250



LG

Life's Good

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60R1 SMPS BOARD ADJUSTMENT POINTS

Set should be in “White Wash”

These two voltages are adjustable and should be adjusted to the correct values as indicated by your Panel's Voltage Label. Example shown on the right.

Model : PDP 60R1###
Voltage Setting: 5.0V/ **Va:60/ Vs:202**
N.A. / -180 / 150 / N.A. / 105
Max Watt : 550 W (Full White)

VA VS
VR551 VR901

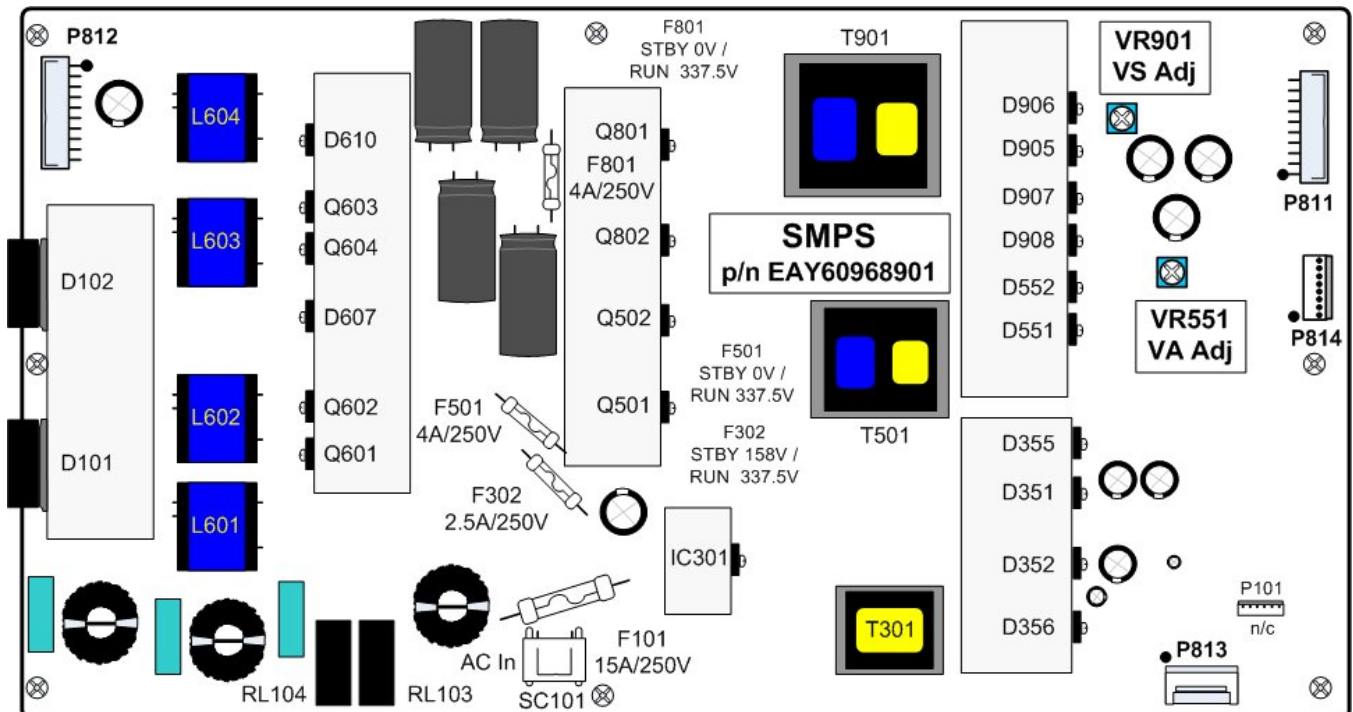
Always adjust “Highest to Lowest” voltages.
VS and VA adjustment resistors are shown in the drawing below.
They are located at the top Right of the board.

1) VS ADJUST:

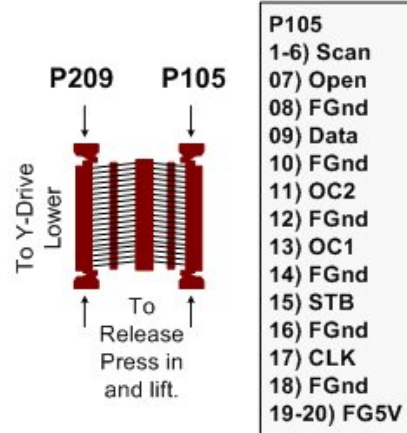
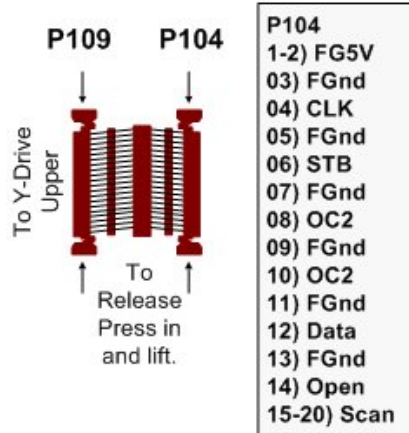
Connect DVM to pin 1 or 2 of P811 or P812.
Adjust VR901 until the voltage matches your panel's voltage label.

2) VA ADJUST:

Connect DVM to pin 6 or 7 of P811 or P812.
Adjust VR551 until the voltage matches your panel's voltage label.



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60R1 VSC, -Vy ADJUSTMENTS

PREPARATION:

- 1) Pre-Heat unit for at least 10 Minutes before making adjustments.
Vs and Va adjustments complete.
- 2) Place unit into White Wash from the Customer's Menu for all adjustments.
- 3) **Be sure to use all adjustment values as indicated on your panel's voltage label in the upper left of the panel.**

Model : PDP 60R1###
 Voltage Setting: 5.0V/ Va:60/ Vs:202
 N.A. **-180** / **150** / N.A. / 105
 Max Watt : 550 W (Full White)

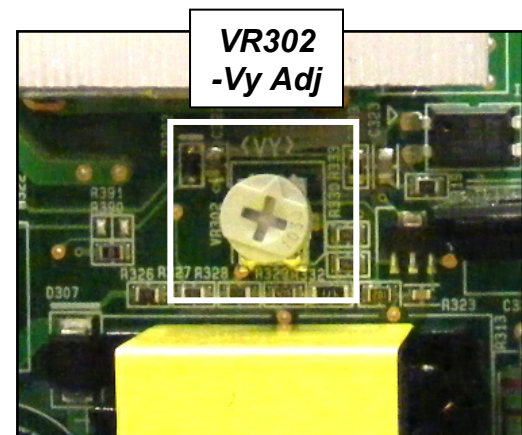
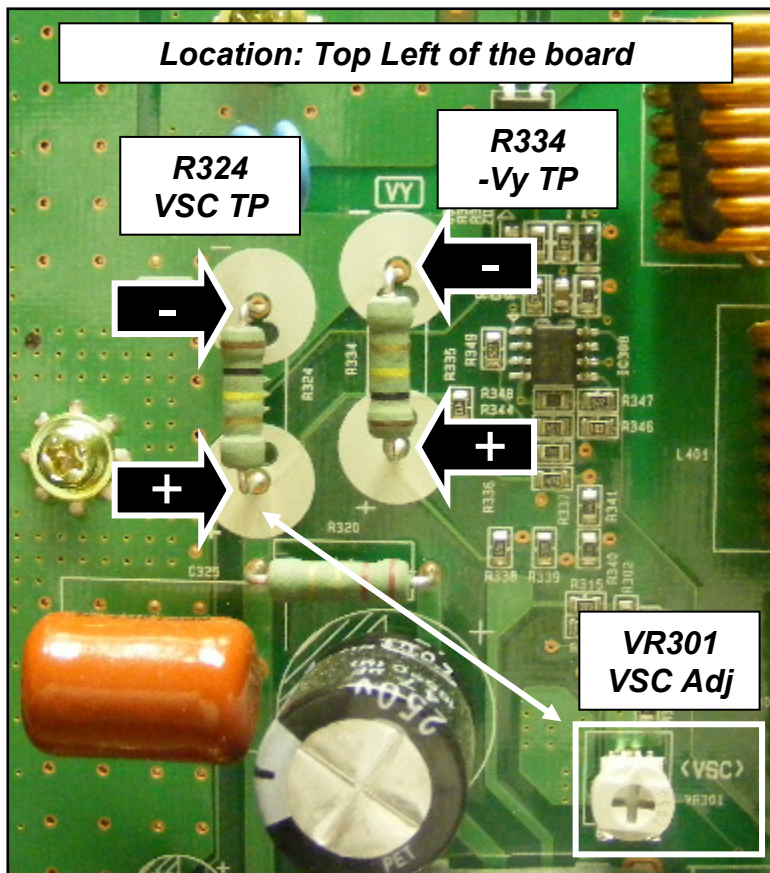
-Vy

VSC

PROCEDURE: (See figure below for locations)

- 1) Adjust -Vy VR302. Measured across -Vy TP R334.
Match your specific Panel's Voltage label $\pm 1V$.
- 2) Adjust VSC VR301. Measured across VSC TPs R324.
Match your specific Panel's Voltage label $\pm 1V$.

Voltage Reads Positive



Location:
Bottom Center of board
Just below Heat Sink

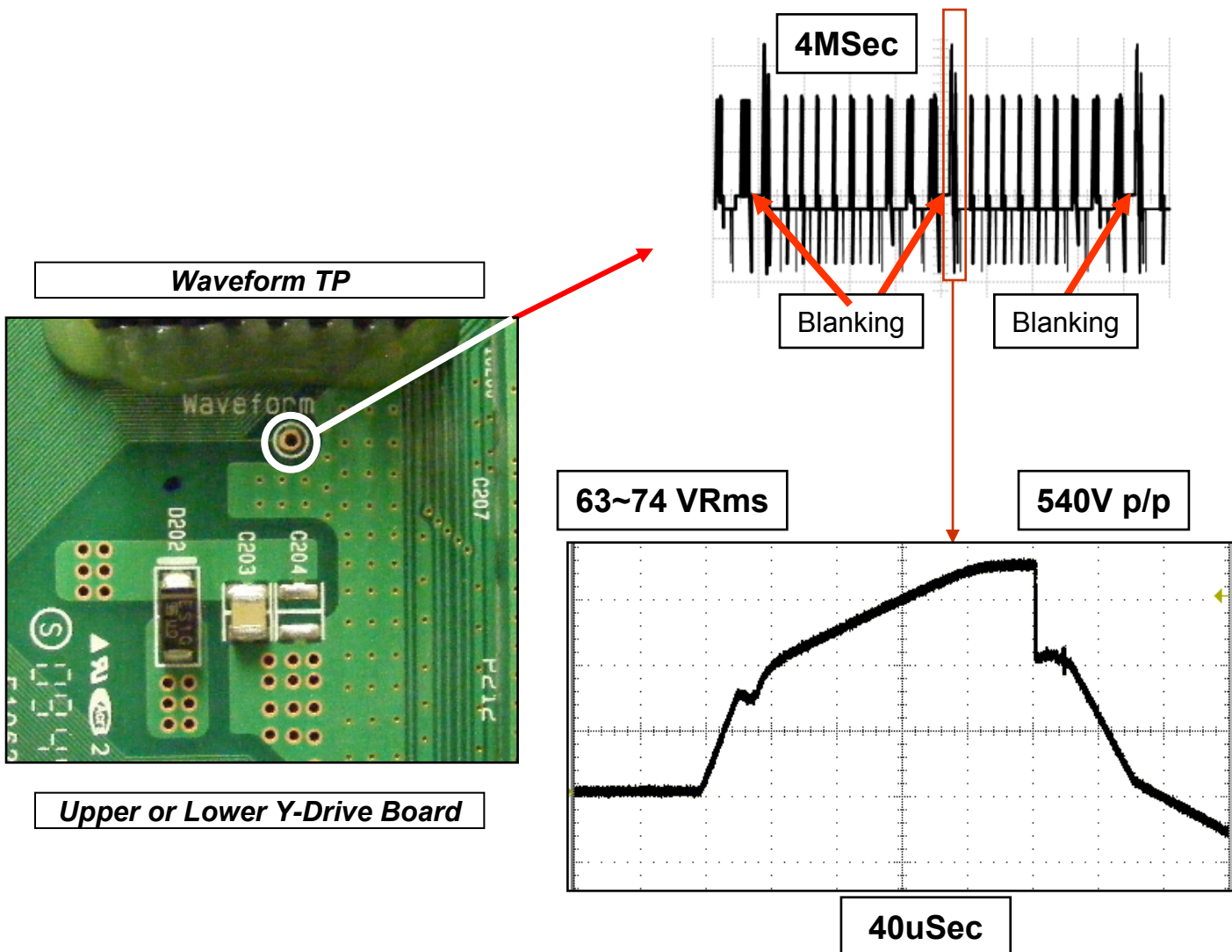
60R1 Y Drive Waveform Test Point

The figure below shows a close-up image of the Y-Drive waveform test point on the Y-Drive Upper board. (Waveform TP).

There is another on the Lower Y-Drive board.

Set-Up and Set-Down portions of the waveform are adjusted using either of these Test Points.

TP LOCATION UNDER 2nd HEAT SINK OF UPPER Y-DRIVE
(See next page for adjustment locations)



60R1 Y-DRIVE WAVEFORM ADJUSTMENTS

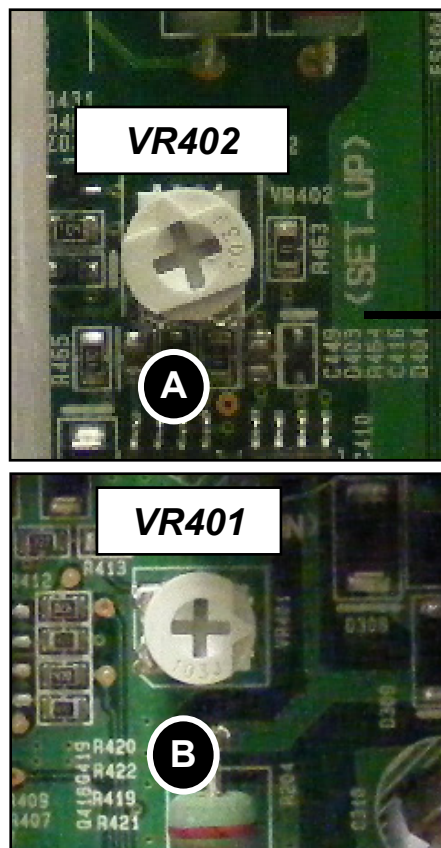
PREPARATION:

- 1) Pre-Heat unit for at least 10 Minutes before making adjustments.
Vs, Va, -Vy and VSC adjustments should be completed.
- 2) Place unit into **White Wash** from the Customer's Menu for all adjustments.

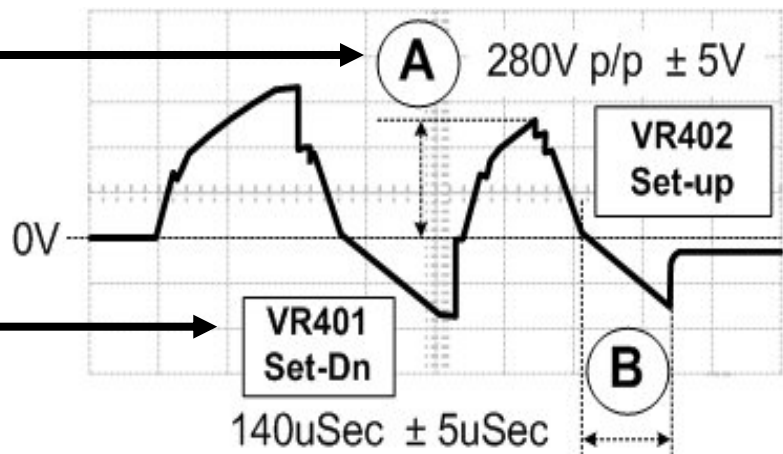
See figure below for adjustment locations.

ADJUSTMENT LOCATIONS

(See 3 pages back for Waveform TP locations)



Waveform Test Point
Y-Drive Upper or Lower (Waveform TP)



50VAC rms "White"	100V	100uS	540V p/p
63VAC rms "Black"			

ADJUSTMENT LOCATIONS:
Bottom of the board.

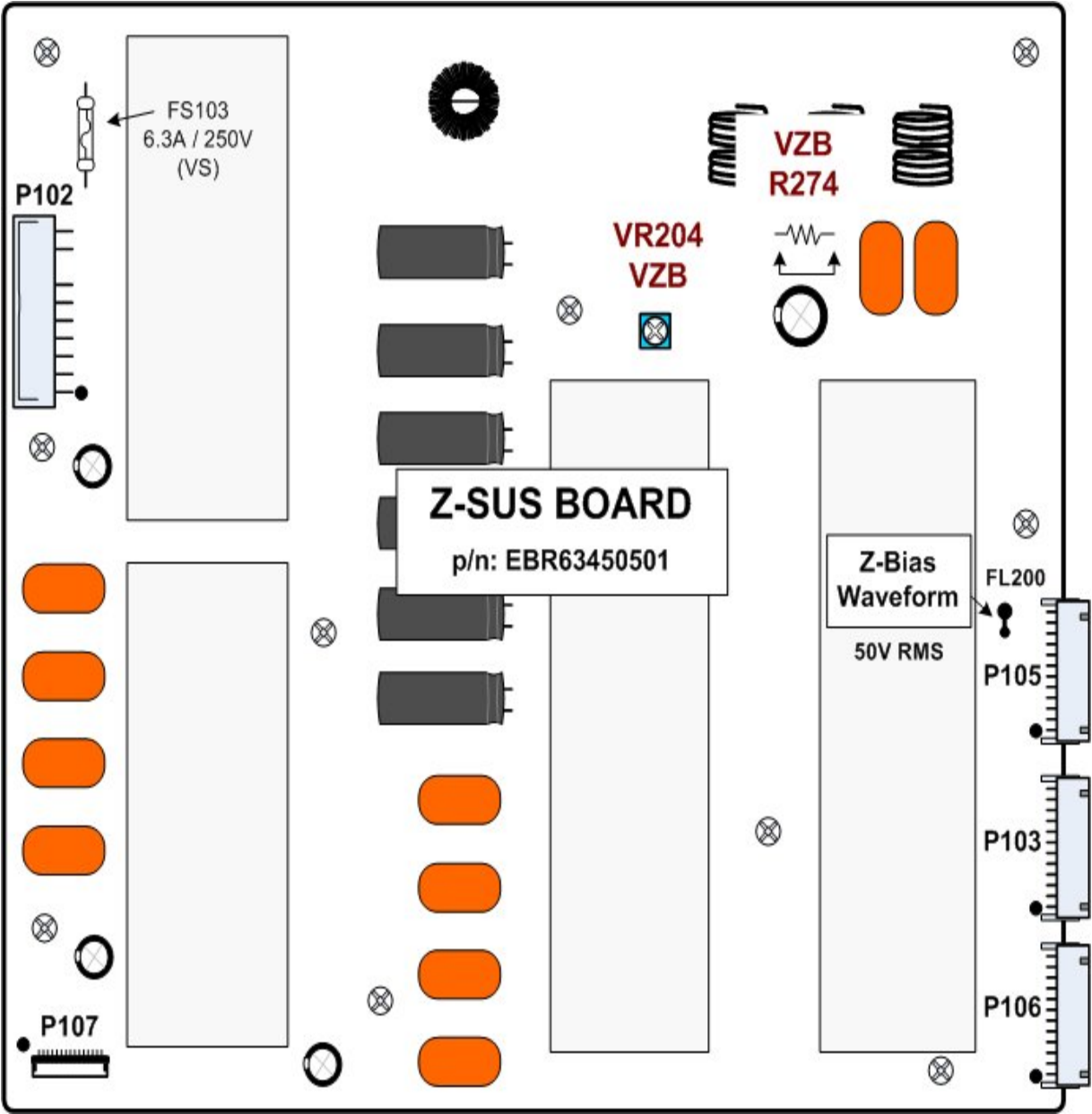
SET-UP ADJUST:

- 1) Adjust **VR402** and set the **(A)** portion of the signal to match the waveform shown above. (280V p/p \pm 5V)

SET-DN ADJUST:

- 2) Adjust **VR401** and set the **(B)** time of the signal to match the waveform shown above. (140uSec \pm 5uSec)

60R1 Z-SUS ADJUSTMENT POINTS



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60R1 Z-SUS (Z-Bias) ADJUSTMENT:

PREPARATION:

- 1) Pre-Heat unit for at least 10 Minutes before making adjustments.
- 2) Place unit into White Wash from the Customer's Menu for all adjustments.
- 3) Be sure to use all adjustment values as indicated on the panel voltage label in the upper right hand corner of the panel.

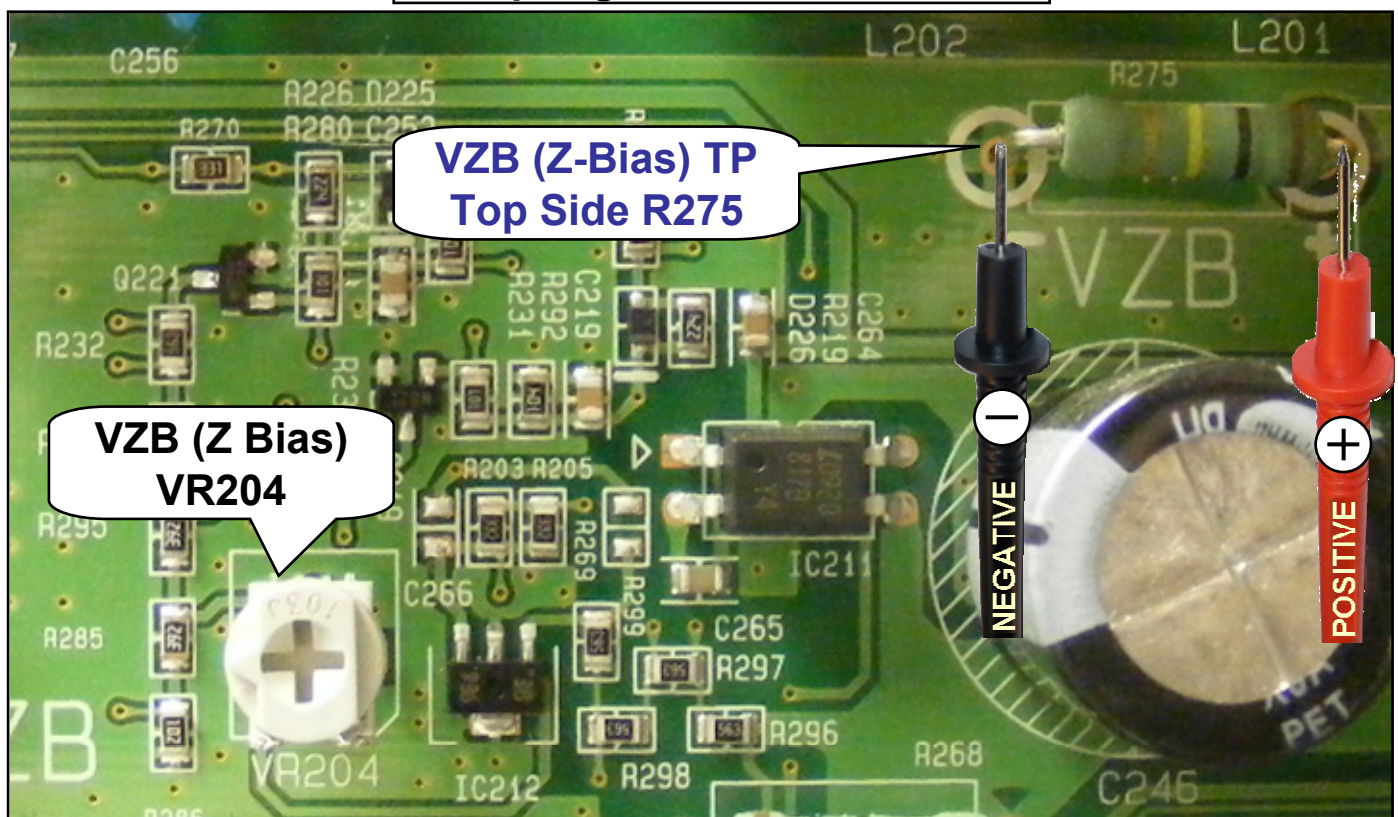
Model : PDP 60R1###
Voltage Setting: 5.0V/Va:60/Vs:202
N.A. / -180 / 150 / N.A. / 105
Max Watt : 550 W (Full White)

VZB (Z Bias)

PROCEDURE: (See preceding page for locations)

1. Place DC Volt meter on VZB TP (Across R275).
2. Adjust VZB (Z Bias) VR204 in accordance with your Panel's voltage label.

Top Right of Z-SUS Board



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